

U.S. Application No.

International Application No.
PCT/AU98/00145

Attorney Docket No.
DAVIE79.001APC

Date: September 7, 1999

09/380826

**TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 USC 371**

International Application No.: PCT/AU98/00145
International Filing Date: 6 March 1998
Priority Date Claimed: 7 March 1997
Title of Invention: LEPTOSPIRA PATHOGENS
Applicant(s) for DO/EO/US: Roderick J. Chappel

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. (X) This is a **FIRST** submission of items concerning a filing under 35 USC 371.
2. (X) This express request to begin national examination procedures (35 USC 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 USC 371(b) and PCT Articles 22 and 39(1).
3. (X) A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
4. (X) A copy of the International Application as filed (35 USC 371(c)(2))
 - a) () is transmitted herewith (required only if not transmitted by the International Bureau).
 - b) (X) has been transmitted by the International Bureau.
 - c) () is not required, as the application was filed in the United States Receiving Office (RO/US).
5. (X) Amendments to the claims of the International Application under PCT Article 19 (35 USC 371(c)(3))
 - a) () are transmitted herewith (required only if not transmitted by the International Bureau).
 - b) () have been transmitted by the International Bureau.
 - c) () have not been made; however, the time limit for making such amendments has NOT expired.
 - d) (X) have not been made and will not be made.
6. (X) A copy of the International Preliminary Examination Report with annexes thereto, including amendments made under PCT Article 34.

Items below concern other document(s) or information included:

7. (X) A FIRST preliminary amendment with attached Abstract.
8. (X) International Application as published. Please note that through an error made by the International Bureau, this publication omits the drawing pages. The Australian Receiving Office has asked the International Bureau to republish the application with the drawings.
9. (X) A copy of the drawings which were included in the International Application as filed.
10. (X) A copy of the International Search Report.
11. (X) PCT Form PCT/IB/308.

12. (X) A return prepaid postcard.
13. (X) The following fees are submitted:

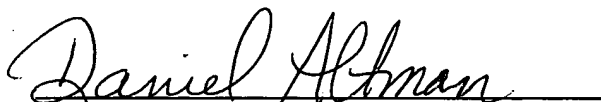
				FEES
BASIC FEE				\$970
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims	122 - 20 =	102 ×	\$18	\$1836
Independent Claims	2 - 3 =	0 ×	\$78	\$0
Multiple dependent claims(s) (if applicable)			\$260	\$0
TOTAL OF ABOVE CALCULATIONS				\$2806

14. (X) A check in the amount of \$970 to cover the basic fee only is enclosed. The fees for any excess claims fees will be paid in response to a Notice of Missing Requirements.
15. (X) The fee for later submission of the signed oath or declaration set forth in 37 CFR 1.492(e) will be paid upon submission of the declaration.
16. (X) The Commissioner is hereby authorized to charge only those additional fees which may be required to avoid abandonment of the application, or credit any overpayment to Deposit Account No. 11-1410. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995


Signature

Daniel E. Altman
Printed Name

34,115
Registration Number

09/380826

514 R PCT/PTO

07 SEP. 1999

INTELLECTUAL PROPERTY LAW
KNOBBE, MARTENS, OLSON & BEAR

A LIMITED LIABILITY PARTNERSHIP INCLUDING
 PROFESSIONAL CORPORATIONS

PATENT, TRADEMARK AND COPYRIGHT CAUSES

620 NEWPORT CENTER DRIVE

SIXTEENTH FLOOR

NEWPORT BEACH, CALIFORNIA 92660-8016

(949) 760-0404

FAX (949) 760-9502

INTERNET: WWW.KMOB.COM

RICHARD E. CAMPBELL
 MARK M. ABUMERI
 JON W. GURKA
 KATHERINE W. WHITE
 ERIC M. NELSON
 ALEXANDER C. CHEN
 MARK R. BENEDICT
 PAUL N. CONOVER
 JOHN P. MUSONE
 ROBERT J. ROBY
 SABING H. LEE
 KAROLINE A. DELANEY
 JOHN W. HOLCOMB
 JAMES J. MULLEN, III
 JOSEPH S. CIANFRANI
 JOSEPH M. REISMAN
 WILLIAM R. ZIMMERMAN
 GLEN L. NUTTALL
 ERIC S. FURMAN
 DO TE KIM
 TIRZAH ABE LOWE
 GEOFFREY Y. IIDA
 ALEXANDER S. FRANCO
 SANJIVPAL S. GILL
 SUSAN M. MOSS
 GUY PERRY
 JAMES W. HILL, M.D.
 ROSE M. THIESSEN
 MICHAEL L. FULLER

OF COUNSEL
 JERRY R. SEILER

JAPANESE PATENT ATTY
 KATSUHIRO ARAI**

EUROPEAN PATENT ATTY
 MARTIN HELLEBRANDT

KOREAN PATENT ATTY
 MINCHEOL KIM

SCIENTISTS & ENGINEERS
 (NON-LAWYERS)

RAIMOND J. SALENIKS**
 NEIL S. BARTFELD**
 DANIEL E. JOHNSON**
 JEFFERY KOEPKE
 KHURRAM RAHMAN
 JENNIFER A. HAYNES
 BRENDAN P. O NEILL
 MARRINA O. MEI
 THOMAS Y. NAGATA
 ALAN C. GORDON
 PABLO S. HUERTA
 LINDA H. LIU

LOUIS J. KNOBBE*
 DON W. MARTENS*
 GORDON H. OLSON**
 JAMES B. BEAR
 DARRELL L. OLSON*
 WILLIAM B. BUNKER
 WILLIAM H. NIEMAN
 LOWELL ANDERSON
 ARTHUR S. ROSE†
 JAMES F. LESNIAK
 NED A. ISRAELSEN
 DREW S. HAMILTON
 JERRY T. SEWELL
 JOHN B. SGANGA, JR.
 EDWARD A. SCHLATTER
 GERARD VON HOFFMANN
 JOSEPH R. RE
 CATHERINE J. HOLLAND
 JOHN M. CARSON
 KAREN VOGEL WEIL†
 ANDREW H. SIMPSON
 JEFFREY L. VAN HOOSEAR
 DANIEL E. ALTMAN
 ERNEST A. BEUALER
 MARGUERITE L. BROWN
 STEPHEN C. JENSEN
 VITO A. CANUSOVE
 WILLIAM H. SHREVE
 LYNDIA J. ZADRA-SYMES††

STEVEN J. NATAUPSKY
 PAUL A. STEWART
 JOSEPH F. JENNINGS
 CRAIG S. SUMMERS
 ANNEMARIE KAISER
 BRENTON R. BABCOCK†
 THOMAS F. SMEGAL, JR.
 MICHAEL H. TRENHOLM
 DIANE M. REED
 JONATHAN A. BARNEY
 RONALD J. SCHOENBAUM
 JOHN R. KING
 FREDERICK S. BERRETTA
 NANCY WAYS VENSKO
 JOHN P. GIEZENTANNER
 ADEEL S. AKHTAR
 THOMAS R. ARNO
 DAVID N. WEISS
 DANIEL HART
 JAMES T. HAGLER
 DOUGLAS G. MUEHLHAUSER
 LORI LEE YAMATO
 STEPHEN M. LOBBIN
 ROBERT F. PAZDZINSKI
 MICHAEL K. FRIEDLAND
 LEE W. HENDERSON
 DEBORAH S. SHEPHERD

Assistant Commissioner for Patents
 Washington, D.C. 20231

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Attorney Docket No. : DAVIE79.001APC

Applicant(s) : Chappel

For : LEPTOSPIRA PATHOGENS

Attorney : Daniel E. Altman

"Express Mail"

Mailing Label No. : EL 207463811

Date of Deposit : September 7, 1999

I hereby certify that the accompanying

Transmittal in Duplicate;
 Search Report;
 IPER;
 PCT Form IB 308;
 Copy of International Application as published;
 Preliminary Amendment in 13 pages;
 Check for Filing Fee;
 Return Prepaid Postcard

are being deposited with the United States Postal Service "Express Mail Post Office To Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

E:\DOCS\DEA\DEA-1620.DOC:kc/090799

Don King